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Page 1/5

ATTY. DOCKET NO.
11641/39

SERIAL NO.
10/084,063

APPLICANTS
R. CASAGRANDE *et al.*

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U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT/PUBLICATION NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE*
an	4,230,685	10/28/80	Senyei et al.			
an	4,508,625	04/02/85	Graham			
an	4,582,622	04/15/86	Ikeda et al.			
an	4,591,570	05/27/86	Chang			
an	4,672,040	06/09/87	Josephson			
an	4,777,145	10/11/88	Luotola et al.			
an	4,910,148	03/20/90	Sorensen et al.			
an	4,988,618	01/29/91	Li et al.			
an	4,992,377	02/12/91	Saxholm			
an	5,186,827	02/16/93	Liberti et al.			
an	5,200,084	04/06/93	Liberti et al.			
an	5,202,227	04/13/93	Matsuda et al.			
an	5,278,063	01/11/94	Hubbell et al.			
an	5,330,911	07/19/94	Hubbell et al.			
an	5,395,498	03/07/95	Gombinsky et al.			
an	5,427,663	06/27/95	Austin et al.			
an	5,466,574	11/14/95	Liberti et al.			
an	5,476,796	12/19/95	Takahashi et al.			
an	5,486,457	01/23/96	Butler et al.			
an	5,498,392	03/12/96	Wilding et al.			
an	5,498,550	03/12/96	Fujiwara et al.			
an	5,508,164	04/16/96	Kausch et al.			
an	5,514,340	05/07/96	Landsdorp et al.			

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
PTO FORM 1449

Page 2/5

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EXAMINER INITIAL	PATENT/PUBLICATION NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
an	5,567,326	10/22/96	Ekenberg et al.			
an	5,573,942	11/12/96	Miyamoto			
an	5,591,627	01/07/97	Miyamoto			
an	5,593,838	01/14/97	Zanzucchi et al.			
an	5,602,042	02/11/97	Farber			
an	5,646,001	07/08/97	Terstappen et al.			
an	5,660,990	08/26/97	Rao et al.			
an	5,665,582	09/09/97	Kausch et al.			
an	5,681,484	10/28/97	Zanzucchi et al.			
an	5,759,793	06/02/98	Schwartz et al.			
an	5,763,203	06/09/98	Ugelstad et al.			
an	5,755,942	05/26/98	Zanzucchi et al.			
an	5,795,470	08/18/98	Wang et al.			
an	5,812,419	09/22/98	Chupp et al.			
an	5,858,804	01/12/99	Zanzucchi et al.			
an	5,876,593	03/02/99	Liberti et al.			
an	5,912,177	06/15/99	Turner et al.			
an	5,922,284	07/13/99	Kinoshita et al.			
an	5,928,880	07/27/99	Wilding et al.			
an	5,968,820	10/19/99	Zborowski et al.			
an	5,972,721	10/26/99	Bruno et al.			
an	5,989,835	11/23/99	Dunlay et al.			
an	5,993,665	11/30/99	Terstappen et al.			
an	5,993,740	11/30/99	Niiyama et al.			

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DEC 23 2002

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DEC 20 2002

PATENT & TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
PTO FORM 1449

Page 3/5

ATTY. DOCKET NO.
11641/39

SERIAL NO.
10/084,063

APPLICANTS
R. CASAGRANDE *et al.*

FILING DATE
February 28, 2002

GROUP
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gm	5,998,224	12/07/99	Rohr et al.			
gm	5,998,160	12/07/99	Berens			
gm	6,008,010	12/28/99	Greenberger et al.			
gm	6,013,188	01/11/00	Terstappen et al.			
gm	6,013,532	01/11/00	Liberti et al.			
gm	6,027,945	02/22/00	Smith et al.			
gm	6,039,897	03/21/00	Lochhead et al.			
gm	6,110,380	08/29/00	Barbera-Guillem			
gm	6,126,835	10/03/00	Barbera-Guillem et al.			
gm	6,133,043	10/17/00	Talley et al.			
gm	6,136,182	10/24/00	Dolan et al.			
gm	6,140,045	10/31/00	Wohlstadter et al.			
gm	6,143,247	11/07/00	Sheppard, Jr. et al.			
gm	6,180,239 B1	01/30/01	Whitesides et al.			
gm	6,180,418 B1	01/30/01	Lee			
gm	6,184,043 B1	02/06/01	Fodstad et al.			
gm	6,187,214 B1	02/13/01	Gañán-Calvo			
gm	6,221,663 B1	04/24/01	Bhatia et al.			
gm	6,235,541 B1	05/22/01	Brizzolara			
gm	6,258,607 B1	07/10/01	Saito et al.			
gm	2002/0012953 A1	01/31/02	Jauho et al.			
gm	2002/0022276 A1	02/21/02	Zhou et al.			

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DEC 23 2002

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DEC 20 2002



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
PTO FORM 1449

Page 4/5

ATTY. DOCKET NO.
11641/39

SERIAL NO.
10/084,063

APPLICANTS
R. CASAGRANDE *et al.*

FILING DATE
February 28, 2002

GROUP
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						YES	NO
<i>gm</i>	WO 92/08133	05/14/92	US				
<i>gm</i>	WO 94/11078	05/26/94	US				
<i>gm</i>	WO 97/28490	08/07/97	US				
<i>gm</i>	WO 99/42832	08/26/99	FI				
<i>gm</i>	WO 00/43783	07/27/00	US				
<i>gm</i>	WO 00/54882	09/21/00	US				
<i>gm</i>	WO 00/60356	10/12/00	US				
<i>gm</i>	WO 01/51668	07/19/01	US				
<i>gm</i>	63-116175	05/20/88	JP				x
<i>gm</i>	0 390 634 B1	05/17/95	EP				

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<i>gm</i>	Castelino J., "Magnetic Activated Cell Sorting using Microfabricated Arrays", Biomedical Physics (1999), Session Z13.001 (abstract)
<i>gm</i>	Delamarche E. <i>et al.</i> , "Microfluidic Networks for Chemical Patterning of Substrates: Design and Application to Bioassays", J. Am. Chem. Soc. (1998) 120:500-508
<i>gm</i>	Delamarche E. <i>et al.</i> , "Patterned Delivery of Immunoglobulins to Surfaces Using Microfluidic Networks", Science (1997) 276:779-781
<i>gm</i>	Fishman D. <i>et al.</i> , "Biological Assays in Microfabricated Structures", SPIE (1999) 3603:192-197
<i>gm</i>	Folch A. <i>et al.</i> , "Microengineering of Cellular Interactions", Annu. Rev. Biomed. Eng. (2000) 2:227-256
<i>gm</i>	Love J.C. <i>et al.</i> , "Fabrication of Three-Dimensional Microfluidic Systems by Soft Lithography", MRS BULLETIN (2001) 523-528
<i>gm</i>	Quake S.R. <i>et al.</i> , "From Micro- to Nanofabrication with Soft Materials", Science (2000) 290:1536-1540

DEC 20 2002

PATENT & TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
PTO FORM 1449

Page 5/5

ATTY. DOCKET NO.
11641/39SERIAL NO.
10/084,063APPLICANTS
R. CASAGRANDE *et al.*FILING DATE
February 28, 2002GROUP
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EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
<i>an</i>	Šafařík I. et al., "Use of magnetic techniques for the isolation of cells", Journal of Chromatography B. (1999) 722:33-53

EXAMINER	<i>JD M. CH</i>	DATE CONSIDERED	<i>2/18/05</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449 Page 1/2	ATTY. DOCKET NO. 11641/39	SERIAL NO. 10/084,063
	APPLICANTS R. CASAGRANDE <i>et al.</i>	
	FILING DATE February 28, 2002	GROUP 1743

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EXAMINER INITIAL	PATENT/PUBLICATION NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	TECH CENTER DATE
<i>an</i>	4,748,124	05/31/88	Vogler			
<i>an</i>	5,602,028	02/11/97	Minchinton			
<i>an</i>	5,612,188	03/18/97	Shuler et al.			
<i>an</i>	5,776,748	07/07/98	Singhvi et al.			
<i>an</i>	6,090,251	07/18/00	Sundberg et al.			
<i>an</i>	6,238,538 B1	05/29/01	Parce et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

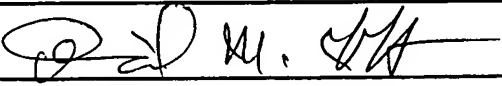
OTHER DOCUMENTS

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<i>an</i>	Bhatia <i>et al.</i> , "Selective Adhesion of Hepatocytes on Patterned Surfaces", Annals New York Academy of Sciences, 745:187-209 (1994)
<i>an</i>	Blawas <i>et al.</i> , "Protein Patterning", Biomaterials, 19:595-609 (1998)
<i>an</i>	Britland <i>et al.</i> , "Micropatterning Proteins and Synthetic Peptides on Solid Supports: A Novel Application for Microelectronics Fabrication Technology", Biotechnol. Prog., 8:155-160 (1992)
<i>an</i>	Chen <i>et al.</i> , "Using Self-Assembled Monolayers to Pattern ECM Proteins and Cells on Substrates", Methods in Molecular Biology - Extracellular Matrix Protocols, 139:209-218
<i>an</i>	Chiu <i>et al.</i> , "Patterned deposition of cells and proteins onto surfaces by using three-dimensional microfluidic systems", PNAS, 97(6):2408-2413 (2000)
<i>an</i>	Dasgupta <i>et al.</i> , "Visualizing thin-layer, 2-D flow and chemical interaction can be done simply and cheaply", Analytical Chemistry, 74(7):209A-213A (2002)



INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449 Page 2/2	ATTY. DOCKET NO. 11641/39	SERIAL NO. 10/084,063
	APPLICANTS R. CASAGRANDE <i>et al.</i>	
	FILING DATE February 28, 2002	GROUP 1743

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	Hodneland <i>et al.</i> , " Selective immobilization of proteins to self-assembled monolayers presenting active site directed capture ligands ", PNAS, 99(8):5048-5052 (2002)
	Jung <i>et al.</i> , <i>Topographical and Physicochemical Modification of Material Surface to Enable Patterning of Living Cells</i> ", Critical Reviews in Biotechnology, 21(2):111-154 (2001)
	Saleemuddin, " <i>Bioaffinity Based Immobilization of Enzymes</i> ", Advances in Biochemical Engineering/Biotechnology, 64: 203-226 (1999)

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	APPLICANTS R. CASAGRANDE et al.	
	FILING DATE February 28, 2002	GROUP 1743

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EXAMINER INITIAL	PATENT/PUBLICATION NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>jm</i>	6,558,904 B2	May 6, 2003	Ermantraut et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.

EXAMINER <i>jm</i> <i>M. J. J.</i>	DATE CONSIDERED 2/18/05
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